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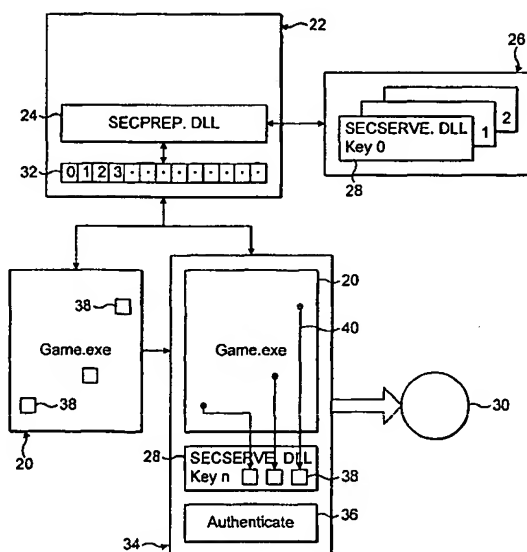TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
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(54) Title: CODE OBFUSCATION AND CONTROLLING A PROCESSOR BY EMULATION

(57) Abstract: An individual security program (28) is randomly chosen by way of a respective key (32) and is then packaged with
a games program (20) to provide an executable program file (34) which is applied to a storage media, such as an optical disc (30).
Whenever the security program (28) is running, the object code it produces is obfuscated to make it difficult to overcome the protec-
tion by identifying and removing the security program. The obfuscated object code is produced by substituting a variable in source
code with a function of the variable. When the source code is compiled to produce the object code, the function causes the variable
to be presented in the compiled object code as a series of operations.

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*